

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): HALAHMI, Izhar et al.

Examiner:

Serial No.: 10/814,647

Group Art Unit:

Filed: April 1, 2004

Title: A PROCESS FOR PRODUCING POLAR POLYOLEFINS AND MODIFIED POLYOLEFINS THEREOF

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO-1449:

1. ☒ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents, and/or United States patent applications, and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☐ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_ which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☐ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;

4. ☐ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

- I) ☐ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to 37 C.F.R. §1.97 (b); or
- II) ☒ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R. §1.113 or a notice of allowance under 37 C.F.R. §1.311 whichever occurs first and;

1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to

the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

2. ☒ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

1. The undersigned hereby states:

a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

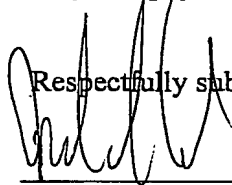
b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

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Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 05-0649.

Respectfully submitted,

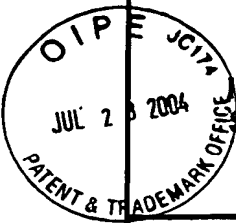


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Dated: July 26, 2004

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

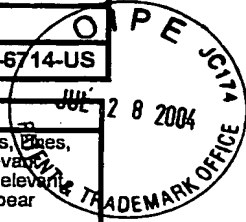
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## Complete if Known

Application Number	10/814,647
Filing Date	April 1, 2004
First Named Inventor	HALAHMI, Izhar
Group Art Unit	
Examiner Name	

Sheet 1 of 4

Attorney Docket Number P-6714-US



## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A	4,612,155		Wong et al.	September 16, 1986	
	B	5,331,595		Mitchell, et al.	December 18, 2001	
	C	5,046,279		Roberts et al.	April 4, 2000	
	D	5,001,197		Hendewerk	March 19, 1991	
	E	6,228,948		Flaris et al.	May 8, 2001	
	F	6,426,389		Coe	July 30, 2002	
	G	5,539,057		Giroux	July 23, 1996	
	H	5,266,643		Mustonen et al.	November 30, 1993	
	I	4,857,600		Gross et al.	August 15, 1989	
	J	5,244,971		Jean-Marc	September 14, 1993	
	K	5,506,307		Memon	April 9, 1996	
	L	5,883,188		Hwang, et al.	March 16, 1999	
	M	6,165,584		Bryant	December 26, 2000	
	N	6,225,432		Wang, et al.	May 1, 2001	
	O	6,228,978		Agarwal, et al.	May 8, 2001	
	P	6,448,335		Braga, et al.	September 10, 2002	
	Q	5,001,197		Hendewerk	March 19, 1991	
	R	4,476,283		Andersen	October 9, 1984	
	S	4,857,600		Gross et al.	August 15, 1989	
	T	4,950,541		Tabor, et al.	August 21, 1990	
	U	5,180,788		Vroomans	January 19, 1993	
	V	5,244,971		Jean-Marc	September 14, 1993	
	W	5,565,161		Auda, et al.	October 15, 1996	
	X	5,728,776		Takemura, et al.	March 17, 1998	
	Y	5,994,474		Wey, et al.	November 30, 1999	
	Z	6,140,425		DeNicola, Jr., et al.	October 31, 2000	
	AA	6,228,948		Flaris, et al.	May 8, 2001	
	BA	6,495,629		Usui, et al.	December 17, 2002	
	CC	5,955,547		Roberts, et al.	September 21, 1999	
	DD	4,188,327		Matsumoto, et al.	April 15, 1980	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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Examiner Signature						Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/814,647
				Filing Date	April 1, 2004
				First Named Inventor	HALAHMI, Izhar
				Group Art Unit	
				Examiner Name	
Sheet	2	of	4	Attorney Number	Docket P-6714-US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	EE	XANTHOS, Marino ed. "Reactive Extrusion principals and practice - digital book". Hanser Publishers, Munich Vienna  New-York Barcelona. Third edition. 1992. pp10-16, pp34-39, pp55-71.	<input type="checkbox"/>	
	FF	SAMAY G., NAGY T., and WHITE J. L. "Grafting Maleic Anhydride and Comonomers onto Polyethylene". Journal of  Applied Polymer Science Vol. 56 (1995): 1423-1433.	<input type="checkbox"/>	
	GG	GANZVELD K. J. and JANSSEN L. P. B. M. "The Grafting of Maleic Anhydride on high density Polyethylene in an  Extruder". Polymer Engineering and Science Vol. 32 No. 7 (1992): 467-474.	<input type="checkbox"/>	
	HH	HU G., FLAT J. and LAMBLA M. "Free Radical Grafting of Chemically Activated Maleic Anhydride onto Polyethylene  By Reactive Extrusion". ANTEC (1994): 2775-2778.	<input type="checkbox"/>	
	II	DE ROOVER B., SCLAVONS M., CARLIER V., DEVAUX J., LEGRAS R., and MOMTAZ A. "Molecular Characterization  of Maleic Anhydride-Functionalized Polypropylene". Journal of Polymer Science: Part A :Polymer Chemistry Vol. 33 (1995) 829-842.	<input type="checkbox"/>	
	JJ	Reactive extrusion data by Dr. Todd, 30 April 2004	<input type="checkbox"/>	
	KK	SARTOMER- Application Bulletin Adhesion of Radiation Cured Coatings of Plastics. Oaklands corporate center:  4025 (March 2003).	<input type="checkbox"/>	
	LL	SARTOMER- Application Bulletin Adhesion Promoters for UV/EB Cure Application Oaklands corporate center: 4038  (February 1999).	<input type="checkbox"/>	
	MM	SARTOMER- Application Bulletin Ethoxylated TMPTA monomers: Properties and performance. Oaklands corporate  center: 4001 (April 2002).	<input type="checkbox"/>	

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
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		Group Art Unit	
		Examiner Name	
Sheet	3	of	4
		Attorney Docket Number	P-6714-US

NON PATENT LITERATURE DOCUMENTS			
NN	SARTOMER- Application Bulletin Performance Properties Of Ethoxylated Bisphenol A Diacrylates. Oaklands corporate center: 4005 October 1998.		<input type="checkbox"/>
OO	SARTOMER- Application Bulletin Formulating for PolyPropylene Film Adhesion. Oaklands corporate center: 4003 April 2002.		<input type="checkbox"/>
PP	SARTOMER- Application Bulletin Ricobond Adhesion Promoter Usage Recommendation. Oaklands corporate center 4939, May 2002.		<input type="checkbox"/>
QQ	SARTOMER- Product Bulletin SB500K60 AROMATIC ACID METHACRYLATE HALF ESTER IN S 344. Oaklands corporate center: 2509 December 2000.		<input type="checkbox"/>
RR	SARTOMER- Product Bulletin Sarbox SB510M35. AROMATIC ACID METHACRYLATE HALF ESTER IN SR 339. Oaklands corporate center: 2516 March 1996.		<input type="checkbox"/>
SS	SARTOMER- Product Bulletin SB510E35. AROMATIC ACID METHACRYLATE HALF ESTER IN SR 454. Oaklands corporate center: 2510 December 2000.		<input type="checkbox"/>
TT	SARTOMER- Product Bulletin SR-340. 2-PHENOXYETHYL METHACRYLATE. Oaklands corporate center: 2050 June 1997.		<input type="checkbox"/>
UU	SARTOMER- Product Bulletin SR-802. Alkoxyated Diacrylate. Oaklands corporate center: 2088 October 1997.		<input type="checkbox"/>
VV	SARTOMER- Product Bulletin SR-259. PolyEthylene Glycol (200) Diacrylate. Oaklands corporate center: 2036 November 1998.		<input type="checkbox"/>

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
		Application Number	10/814,647

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/814,647
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		Group Art Unit	
		Examiner Name	
Sheet 4 of 4	Attorney Docket Number P-6714-US		

NON PATENT LITERATURE DOCUMENTS			
VW	SARTOMER- Product Bulletin SR-9035. Ethoxylated (15) Trimethylolpropane Triacrylate. Oaklands corporate center: 2100 December 1998.	<input type="checkbox"/>	
XX	LUPEROX chemical and physical data sheet.	<input type="checkbox"/>	
YY	LUPEROX 101 - www.sigmaaldrich.com	<input type="checkbox"/>	
ZZ	SCHUT Jan H. "NPE Highlights Compounding's Growth Niches". <a href="http://www.npe.org/">http://www.npe.org/</a> .	<input type="checkbox"/>	
Examiner Signature		Date Considered	

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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